

Title (en)

METHOD FOR TREATING PLANTS WITH RESPECT TO ESTIMATED ROOT ZONES

Title (de)

VERFAHREN ZUR BEHANDLUNG VON PFLANZEN IN BEZUG AUF GESCHÄTZTE WURZELBEREICHE

Title (fr)

PROCÉDÉ DE TRAITEMENT DE PLANTES PAR RAPPORT AUX ZONES DE RACINE ESTIMÉES

Publication

EP 3476216 A1 20190501 (EN)

Application

EP 18203210 A 20181029

Priority

US 201715800001 A 20171031

Abstract (en)

A method for treating plants with respect to estimated root zones comprises estimating a growth state or maturity state of a plant based on a planting date, a current date and the crop type of the plant. A root zone estimator or data processor estimating a size, diameter or radius of a root zone of the plant based on the determined growth state or maturity state. The data processor or nozzle control module adjusts a lateral offset of a spray pattern of a nozzle assembly of one or more nozzles based on the size, diameter or radius to target alignment or maximization of overlap area of a crop input directed to a strip or zone with respect to the corresponding root zone.

IPC 8 full level

A01M 7/00 (2006.01)

CPC (source: EP US)

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Citation (search report)

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Designated contracting state (EPC)

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